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; TOIG of: aaw96157  check: 8047  from: 1  to: 745
;
; ID  AAW96157 standard; peptide; 745 AA.
; XX
; AC  AAW96157;
; XX
; DT  27-APR-1999  (first entry)
; XX
; DE  Human IKK-alpha.
; XX
; KW  I-kappa-B kinase; IKK-alpha; gene expression; modulation; suppression;
; KW  activation; tumour necrosis factor; TNF; interleukin-1; IL-1;
; KW  TNF receptor associated factor; TRAF.
; XX
; OS  Homo sapiens.
; XX
; PN  WO9901541-A1.
; XX
; PD  14-JAN-1999.
; XX
; PF  01-JUL-1998; 98WO-US013782.
; XX
; PR  01-JUL-1997; 97US-00887115.
; PR  10-JUL-1997; 97US-00890854.
; XX
; PA  (TULA-) TULARIK INC.
; XX
; PI  Rothe M,  Cao Z,  Regnier C;
; XX
; DR  WPI; 1999-106044/09.
; DR  N-PSDB; AAX08918.
; XX
; PT  Newly isolated human kinase IkappaB Kinase (IKK--a) polypeptides - useful
; PT  in screening for agents that modulate the interaction of an IKK
; PT  polypeptide to a binding target and for modulating signal transduction
; PT  involving IkappaB in a cell.
; XX
; PS  Claim 1; Page 24-26; 32pp; English.
; XX
; CC  I-kappa-B kinase (AAW96158), deletion mutants of it retaining I-kappa-B
; CC  kinase activity and I-kappa-B polypeptides (comprising a six residue
; CC  domain of I-kappa-B containing one of Ser32 and Ser36, and a candidate
; CC  agent) can be used to screen for agents that modulate the interaction of
; CC  an IKK polypeptide to a binding target. The modulation of the kinase
; CC  activity of IKK-alpha forms a method for modulating signal transduction
; CC  involving I-kappa-B in a cell. The IKK-alpha polypeptides are useful for
; CC  generating oligonucleotide primers and probes for use in the isolation of
; CC  natural IKK-alpha-encoding nucleic acids. The nucleic acids are useful as
; CC  translatable transcripts, hybridization probes, polymerase chain reaction
; CC  (PCR) probes and primers. Their diagnostic applications include IKK-alpha
; CC  hybridization probes for identifying wild-type and mutant IKK-alpha
; CC  alleles in clinical and laboratory samples. Therapeutic application
; CC  includes the use of IKK- alpha nucleic acids for modulating cellular
; CC  expression or intracellular concentration/availability of active IKK-
; CC  alpha. Catalytically inactive IKK-alpha mutants suppress NF-kappa-B
; CC  activation induced by tissue necrosis factor (TNF), interleukin-1 (IL-1)
; CC  stimulation, TNF receptor-associated factor (TRAF) and NF-kappa-B-

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; CC inducing kinase (NIK) oversuppression

; XX

; SQ Sequence 745 AA;

;

; AAW96157 Length: 745 September 22, 2004 16:08 Type: P Check: 8047 ..
aaw96157

MERPPGLRPGAGGPWEMRERLGTGGFGNVCLYQHRELDLKIAIKSCRLELSTKNRERWCHEIQIMKKLNH
ANVVKACDVPEELNIIHDVPLLAMEYCSGGDLRKLLNKPENCCGLKESQILSLLSDIGSGIRYLHENKI
IHRDLKPENIVLQDVGGKIIHKIIDLGYAKDVDQGSLSCTSFVGTQLQYLAPELFENKPYTATVDYWSFGTM
VFECIAGYRPFLHHLQPFTHHEKIKKKDPKCIFACEEMSGEVRFSSHLPQPNLSLCSLIVEPMENWLQML
NWDPPQQRGGPVDLTLLKQPRCFVLMHILNLKIVHILNMTSAKIIISFLLPPDESLHSLQSRIERETGINTG
SQELLSETGISLDPRKPASQCVLDGVRGCDSYMVYLFDKSKTVYEGPFASRSLSDCVNYIVQDSKIQLP
IQLRKVWAEAVHYVSGLKEDYSRLFQGGQRAAMLSELLRYNANLTKMKNTLISASQQLKAKLEFFHKSQQLD
LERYSEQMTYGISSEKMLKAWKEMEEKAIHYAEVGVIGYLEDQIMSLHAEIMELQKSPYGRRQGDLMESL
EQRAIDLKQLKHRPSDHSYSDSTEMVKIIVHTVQSQDRVLKELFGHLSKLLGCKQKIIDLLPKVEVALS
NIKEADNTVMFMQGRQKEIWHLLKIACTQSSARSLVGSSLEGAVTPQTSAWLPPTSAEHDHSLSCVVTP
QDGETSAQMIEENLNCLGHLSTIIHEANEEQGNMMLDWSWLTE1

; Reverse Translation from the peptide AAW96157.
; Note: the original peptide AAW96157 contained at least one of
; the residues Arg, Ile, Leu, or Ser. The nucleic acid sequence
; thus contains ambiguous bases which may translate into amino acids
; other than the original amino acids.

AAW96157

ATGGARMGNCCNCCNGGNYTNMGNCNGGNGCNGGNGGCCNTGGGARATGMGNGARMGNYTNGGNACNG
GNGGNTTYGGNAAYGTNTGYTNTAYCARCAYMGNGARYTNGAYYTNAARATNGCNATNAARWSNTGYMG
NYTNGARYTNWSNACNAARAAYMGNGARMGNTGGTGYCAYGARATNCARATNATGAARAARYTNAAYCAY
GCNAAAGTNGTNAARGCNTGYGAYGTNCCNGARGARYTNAAYATNYTNATNCAYGAYGTNCCNYTNYTNG
CNATGGARTAYTGYWSNGGNGGNGAYYTNMGNAARYTNYTNAAYAARCCNGARAAYTGYTGYGGNYTNA
RGARWSNCARATNYTNWSNYTNYTNWSNGAYATNGGNWSNGGNATNMGNTAYYTNCAYGARAAYAARATN
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TNGAYYTNGGNTAYGCNAARGAYGTNGAYCARGGNWSNYTNTGYACNWSNTTYGTNGGNACNYTNCARTA
YYTNGCNCNGARYTNTTYGARAAYAARCCNTAYACNGCNACNGTNGAYTAYTGGWSNTTYGGNACNATG
GTNTTYGARTGYATNGCNGGNTAYMGNCNTTYTNCAYCAYYTNCARCCNTTYACNTGGCAYGARAARA
TNAARAARAARGAYCCNAARTGYATNTTYGCNTGYGARGARATGWSNGGNGARGTNMGNTTYWSNWSNCA
YYTNCNCARCCNAAYSNYTNTGYWSNYTNATNGTNGARCCNATGGARAAYTGGYTNCARYTNATGYTN
AAYTGGGAYCCNCARCARMGNGGNGGCCNGTNGAYYTACNYTNAARCARCCNMGNTGYTTYGTNYTNA
TGGAYCAYATNYTNAAYYTNAARATNGTNCAYATNYTNAAYATGACNWSNGCNAARATNATNWSNTTYT
NYTNCCNCCNGAYGARWSNYTNCAYWSNYTNCARWSNMGNATNGARMGNGARACNGGNATNAAYACNGGN
WSNCARGARYTNYTNWSNGARACNGGNATNWSNYTNGAYCCNMGNAARCCNGCNWSNCARTGYGTNYTNG
AYGGNGTNMGNGGNTGYGAYWSNTAYATGGTNTAYYTNTTYGAYAARWSNAARACNGTNTAYGARGGNCC
NTTYGCNWSNMGNWSNYTNWSNGAYTGYGTNAAYTAYATNGTNCARGAYWSNAARATNCARYTNCCNATN
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TGGARGARAARGCNATNCAYTAYGCNGARGTNGGNGTNTATNGGNTAYYTNGARGAYCARATNATGWSNYT
NCAYGCNGARATNATGGARYTNCARAARWSNCCNTAYGGNMGMNMGNCARGGNGAYYTATGGARWSNYTN
GARCARMGNGCNATNGAYYTNTAYAAARCARYTNAARCAYMGNCCNWSNGAYCAYWSNTAYWSNGAYWSNA
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YYTNWSNAARYTNYTNGGNTGYAARCARAARATNATNGAYYTNYTNCCNAARGTNGARGTNGCNYTNWSN
AAYATNAARGARGCNGAYAAACNGTNTATGTTYATGCARGGNAARMGNCARAARGARATNTGGCAYYTNY
TNAARATNGCNTGYACNCARWSNWSNGCNMGWSNYTNGTNGGNWSNWSNYTNGARGGNGCNGTACNCC
NCARACNWSNGCNTGGYTNCNCNCCNACNWSNGCNGARCAYGAYCAYWSNYTNWSNTGYGTNGTACNCCN
CARGAYGGNGARACNWSNGCNCARATGATNGARGARAAYYTNAAYTGYTNGGNCAYYTNWSNACNATNA
TNCAYGARGCNAAYGARGARCARGGNAAYWSNATGATGAAYYTNGAYTGGWSNTGGYTACNGAR1

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ATGGARMGNCCNCCNGGNYTNMGNCCNGGNGCNGGNGGNCCNTGGGARATGMGNGARMGNYTNGGN
ACNG
GNGGNTTYGGNAAAYGTNTGYTNTAYCARCAYMGNGARYTNGAYYTNAARATNGCNATNAARWSNT
GYMG
NYTNGARYTNWSNACNAARAAYMGNGARMGNTGGTGYCAYGARATNCARATNATGAARAARYTNAA
YCAY
GCNAAAYGTNGTNAARGCNTGYGAYGTNCCNGARGARYTNAAAYATNYTNATNCAYGAYGTNCCNYTN
YTNG
CNATGGARTAYTGYWSNGGNGGNGAYYTNMGNAARYTNYTNAAAYAARCCNGARAAYTGYTGYGGNY
TNAA
RGARWSNCARATNYTNWSNYTNYTNWSNGAYATNGGNWSNGGNATNMGNTAYYTNCAYGARAAYAA
RATN
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ATNA
TNGAYYTNGGNTAYGCNAARGAYGTNGAYCARGGNWSNYTNTGYACNWSNTTYGTNGGNACNYTNC
ARTA
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NATG
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AARA
TNAARAARAARGAYCCNAARTGYATNTTYGCNTGYGARGARATGWSNGGNGARGTNMGNTTYWSNW
SNCA
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